

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. NM - 16586
2. NAME OF OPERATOR BCO, Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 135 Grant, Santa Fe, New Mexico 87501	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1700' FNL 950' FWL Sec 33 T23W R7W	8. FARM OR LEASE NAME Federal I
	9. WELL NO. 4
	10. FIELD AND POOL, OR WILDCAT Alamito Gallup
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 33 T23N R7W NMPM
14. PERMIT NO.	12. COUNTY OR PARISH Sandoval
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6856 GR	13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

- 8-21-84 Tagged bottom at 5157'. Laid 162 joints of 2 3/8" down.
- 8-22-84 Advised Dan Ross with the BLM at 7:45 A.M. that we intended to cement at about noon today. Spear headed 10,000 #'s of 20-40 Vulcan sand. Tagged sand at 4297'. Circulated sand out to 4608'. Landed 2 7/8" at 4548' with 146 joints. Mixed 225 sacks Class H cement at 15.6#'s with a yield of 1.18 or 266 cubic feet. Circulated 7 Bbls. of slurry.
- 8-23-84 Drilled cement from 4213' to 4550', cement stringers from 4550' to 4608' and sand to from 4608' to 4830'. Cement joints took 7 minutes to drill on 8-23-84 and 9 minutes on 8-24-84. Took two days because the rig broke down on 8-23-84. Took bit off. Replaced with a notch collar and seat nipple.
- 8-27-84 Circulated sand from 4830' to 5204'. Landed 1 1/2" tubing at 5060'.
- 8-28-84 Swabbed well and placed in operation.

RECEIVED

SEP 06 1984

18. I hereby certify that the foregoing is true and correct

SIGNED Harry R. Boyd TITLE President

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

OIL CON. DIV. 28-84
DATE SEP 05 1984
ACCEPTED FOR RECORD

DATE SEP 05 1984

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

Memo

September 11, 1984

From

Luanne Hisel

To Mr. Harry Bigbee
BCO, Inc.
135 Grant Ave.
Santa Fe NM 87501

Re: Federal I #4

Dear Mr. Bigbee,

Attached is a sundry and a completion on the work-over on the above well. The sundry states that the 2 7/8 is set at 4548' and the completion reports it at 5120'.

Please let me know, for my records, which depth is correct.

Sincerely,

Luanne Hisel

cc: Well File

Oil Conservation

Aztec, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input checked="" type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RENVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR BCO, Inc.							
3. ADDRESS OF OPERATOR 135 Grant Avenue, Santa Fe, New Mexico 87501							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1700' FWL 950' FWL Sec 33 T23N R7W NMPM At top prod. interval reported below Same At total depth Same							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 5-14-79				16. DATE T.D. REACHED 5-20-79			
17. DATE COMPL. (Ready to prod.) 7-17-79				18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 6856 GR			
19. ELEV. CASINGHEAD 6859				20. TOTAL DEPTH, MD & TVD 5220 Driller			
21. PLUG, BACK T.D., MD & TVD 5204				22. IF MULTIPLE COMPL., HOW MANY*			
23. INTERVALS DRILLED BY XX				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4858-5110 Gallup			
25. WAS DIRECTIONAL SURVEY MADE Yes				26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron, Cement Bond Log			
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)			

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#	140	12 1/4"	100 sacks Class B	
4 1/2"	10.5#	5240	7 7/8"	175 sacks Class B	
2 7/8"	6.5#	5120 45/8	4 1/2"	225 sacks Class H	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	5060	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
select fire shot at: 4858, 4862, 4866, 4977 4891, 4985, 4998, 5016, 5041, 5054, 5072, 5110	One 3 1/8"	4858-5110	500 gals 7 1/2% MCA acid 125,000# 10-20 sand with 83,600 gals 10# gel treated water

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-18-79		Gas lift				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-30-79	24 hours	Open	→	19	114	0	6000
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
700	1050-800	→	19	114	0	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas sold to EPNG thru BCO South Lybrook Gathering line	TEST WITNESSED BY Bob Bigbee
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35. LIST OF ATTACHMENTS All previously sent		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		
SIGNED <u>Harry R. Bigh</u>	TITLE <u>President</u>	DATE <u>8-23-1984</u>

This form is identical to the one filed 8-2-79 except for the addition of 2 7/8" 1 1/2" tubing, tubing depth, and correction of the pool name.

FARMINGTON RESERVE AREA
SEP 03 1984

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	TOP
				Gallup	4805	4805	

AREA CODE 505
983-1228

BCO, Inc.
OIL WELL OPERATOR
135 GRANT
SANTA FE, N. M. 87501

September 13, 1984

Energy and Minerals Department
Oil Conservation Division
1000 Rio Brazos
Aztec, New Mexico 87410

Attention: Luanne Hisel

RE: Federal I-4

Dear Ms. Hisel:

With reference to your memo of September 11, 1984, we wish to advise you the correct depth is 4548'.

If anything further is needed, please advise.

Very truly yours,

Nancy Lee A. Dennis
Nancy Lee A. Dennis
Accounting Dept.

NAD/bmb

RECEIVED
SEP 14 1984
OIL CON. DIV.
DIST. 3